00000000000000000000000000000000000000	00000000 00000000 00000000	)0 )0	88888888888888888888888888888888888888	RRRR RRRR	RRRRRRRR RRRRRRRR RRRRRRRR		LLL LLL LLL
	000 000	000 000	888 88 888 88	B RRR B RRR	RRR RRR	TTT TTT	LLL
222	000	000	888 BB	B RRR	RRR	TTT	
CCC	000	000	<b>888</b> 88	B RRR	RRR	TTT	LLL
333	000	000	BBB BB	B RRR	RRR	111	LLL
CCC CCC	000 000	000 000	888 888888888888		RRR RRRRRRRR		LLL
CCC	000	000	<b>B</b> BBBBBBBBBB		RRRRRRRR	iii	iii
CCC	000	000	B8888888888	RRRR	RRRRRRRR	TTT	LLL
CCC CCC	000	000	<b>BBB BB</b>		RRR	<b>TTT</b>	III
	000 000	000 000	888 88 888 88	B RRR B RRR	RRR RRR		
CCC	000	000	<b>888</b> 88		RRR	ήij	ili
CCC	000	000	<b>BBB</b> BB	B RRR	RRR	TTT	iii
	000	000	BBB BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB		RRR	ŢŢŢ	
00000000000000000000000000000000000000	00000000		B8888888888888888888888888888888888888	RRR RRR	RRR RRR	† † † † † † † † † † † † † † † † † † †	
000000000000000000000000000000000000000	0000000		8888888888	RRR	RRR	ΪΪΪ	

)))))))) )) () () () () () () () () () (	000000 000000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	88888888 88888888 88 88 88 88 88 88 88 88 88 88 888888	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	88888888 88888888 88 88 88 88	XX	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
11 11 11 11 11 11 11 11 11 11 11 11		\$					

O MODULE COBSDBEXCEPTION( IDENT = '1-011'

! file:COBDBEXCE.B32 Edit:STAN1011

1 BEGIN

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1 !\* 1 1

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1 !\*

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1 !\*

1 1 \*

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0005 0006 0007

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0044 0045

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0055 0056

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0052 1 0053 0054

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0033 1 ! 0034 1 !

0035 1 !

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1 ! FACILITY: COBOL SUPPORT

0032 1 ! ABSTRACT

> This procedure is called from compiled code when a data base exception condition occurs. This procedure looks for an applicable USE procedure to handle the data base exception condition. If one is not found, it invokes LIB\$STOP to handle the data base exception condition.

ENVIRONMENT: Vax-11 User Mode

AUTHOR: RKR , CREATION DATE: 11-FEB-1981

MODIFIED BY:

1-001 - Original Skeleton. RKR 11-FEB-1981 1-002 - Actual code added. LB 11-MAR-1981 1-003 - Took out code that checked the DB code field (COB\$B\_USE CODE equal to COB\$K\_DBUSE\_CODE) This code was moved to COB\$\$HANDLER. LB 16-MAR-81

1-004 - Added diagrams of the data structures involved in COB\$DBEXCEPTION.
Also compacted code and changed macro definition name to have a
DBMS prefix. LB 19-MAR-81

1-005 - Replaced arbitrary signalling value for no DB USE procedure found with appropriate symbol name now defined in COBMSGDEF. Added corresponding entry in the EXTERNAL LITERAL declarations for

18 19 

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46 48951555556

:	58 59	0058 1 !	this module. LB 24-MAR-81
Ě	59		1-006 - Changed name of data base external literal to correspond to change
•	60	0060 1 !	made in COBMSG.MDL. Changed return status of SS\$_CONTINUE to
•	60 61	0061 1 !	SS\$_NORMAL. Changed calls to SIGNAL_STOP to be to LIB\$STOP for
:	62	0062 1 !	consistency reasons. Changed calls to LIB\$SIGNAL to now take an
•	62 63	0063 1	FAO parameter (as is syntactically speeds) agent though the
:	64	0064 1 !	fAO parameter (as is syntactically correct) even though the
•	65	0065 1 !	parameter that is getting passed is not an FAO parameter (note that
•	44	0000 1 :	the !+ directive in the message text will ignore it). Added code
•	66 67	0066 1 !	back into this routine that had previously been taken out (refer
;	01	0067 1 !	to revision history 1-003); that code now resides in both places
;	68	0068 1 !	(here and in COB\$HANDLER). Added heaps of comments and optimized
:	69	0069 1 !	code by encasing calls to LIB\$STOP in BEGIN-END blocks. LB 16-APR-81
;	70		1-007 - Changed search code for a DB_USE procedure due to hidden design flaws
;	71	0071 1 !	in the original search algorithm. Code now saves the first match of
;	72 73	0072 1 !	a USE procedure and continues searching through the USE list for a
;	73	0073 1 !	locally defined one. If one is found, then the local one is
:	74	0074 1 !	invoked; otherwise, the saved procedure is invoked. Note that this
:	75	0075 1 !	code is executed only for the case where there is an ON OTHER clause
•	76	0076 1 !	(meaning that COB\$L_USE_LIT = 0) and when the looping count has not
•	77	0077 1 !	reached its limit. LB 21-APR-81
•	78		1-008 - Changed check of looping count to check .I instead of
•	79	0079 1	.DBUSE[COB\$B_DBUSE_CNT]. Moved code that returned SS\$_NORMAL to
•	<b>8</b> Ó	0080 i i	follow directly after the call to LIB\$SIGNAL instead of after the
•	81	0081 1 !	FND disactive. Added code to setup CCR NORMAL within the
•	82	0082 1 !	END directive. Added code to return SS\$_NORMAL within the
•	0 <i>C</i> 0.7	0002 1 :	BEGIN-END blocks at every occurrence of an invocation of a USE
•	83	0083 1 !	procedure to correct flow problems. LB 11-MAY-81.
;	84	0084 1 !	1-009 - Minor improvements to generated code. PDG 9-AUG-81
;	85	0085 1 !	1-010 - Declare LIB\$SIGNAL external. SBL 2-Dec-1981
:	<b>8</b> 6	0086 1 ! '	1-011 - Remove informational errors. STAN 24-Jul-1984.
;	87	0087 1 !	
:	88	0088 1 !	
;	88 89	0089 1	
;	90		BLF/PAGE>

4.0.32.0%:

! Data Base Condition Value (status code)

MACRO

DBMS\_COND\_VAL

0664 0665 Page

163

! EQUATED SYMBOLS

NONE

0667 0668

0670

0680 0681

0683

0703

1 !-

**PSECT DECLARATIONS:** 

DECLARE\_PSECTS (COB) ;

! Declare psects for COB\$ facility

1 : EXTERNAL REFERENCES:

1 EXTERNAL ROUTINE LIB\$SIGNAL,

LIB\$STOP

COB\$\$INVOKE\_USE : NOVALUE;

: Signal\_stop ! Invoke USE procedure

Signal

1 EXTERNAL LITERAL

Condition codes we need

0691 1 !+ 0692 1 ! 0693 1 ! Note that the !+ directive for the data base literal indicates to ignore the next parameter in the LIB\$SIGNAL parameter list. This is needed in the case where the call to LIB\$SIGNAL passes a condition value and an address of a USE procedure which gets checked in COB\$HANDLER. The address of the USE procedure is not a FAO parameter, but an FAO count must still be included (as is syntactically correct) in the call to LIB\$SIGNAL in the case that COB\$HANDLER resorts to re-signalling the error, causing an error message to be printed at user level. At that point, the address of the USE procedure parameter must not be treated as an FAO parameter — therefore the !+ takes care of it (by ignoring the parameter). therefore the !+ takes care of it (by ignoring the parameter).

> COBS\_LSTHNDLDB, OTSS\_FATINTERR; ! Lost handler for data base exception - environment corrupted !+ ! Fatal Internal Error

1 !--

Page

1 !

j !-

(5)

(6)

Note that this is the DBMS\_STAT block (referred to as a message vector) that is the input parameter to COB\$DBEXCEPTION. Note that this particular example is for one that contains fAO parameters. There can be other formats, where the condition code is either an RMS status or a system service status, which in both cases, do not take any fAO parameters. Also note that the numbers in parentheses are only meaningful for this sample block. The # of longwords in a DBMS\_STAT block can be up to 255. Also, the # of fAO arguments that can be passed in this block can be up to 16 for DBMS. DBMS. # OF LONGWORDS IN BLOCK (6) DBMS CONDITION CODE (STATUS) I # OF FAO ARGS (4) FAO ARG #1 FAO ARG #2 FAO ARG #3 FAO ARG #4 

```
0836
0837
0838
0839
0840
0841
0843
                                                                 BEGIN BL. S. F. S.
BUILTIN
                                                                                                      CALLG.
                                                                                                      ACTUALPARAMETER,
                                                                                                       ACTUAL COUNT,
                                              0844
                                                                                        MAP
                                              0845
                                                                                                      DBMS_STAT .
                                                                                                                                                             REF BLOCK[,BYTE],
REF BLOCK[,BYTE];
                                              0846
                                                                                                      FP:
                                             0847
0848
0849
0850
                                                                                        LOCAL
                                                                                                                                                             REF BLOCK[,BYTE],
REF BLOCK[,BYTE],
REF BLOCK[,BYTE],
VOLATILE,
                                                                                                      SFP:
                                                                                                                                                                                                                                                        Saved FP
                                                                                                    DBUSE: REF BLOCK[,|
DBUSE: REF BLOCK[,|
DBUSE_ENT: REF BLOCK[,|
SAVE_PNC: VOLATILE,
SAVE_EOPR: VOLATILE,
SAVE_SAVED AP: VOLATILE,
SAVE_ADDR_USEPROC;
                                                                                                                                                                                                                                                      Pointer to DB USE list entry Saved addr of PNC
                                              0851
                                             0852
0853
                                                                                                                                                                                                                                                        Saved addr of EOPR Saved saved AP
                                              0854
                                              0855
                                                                                                                                                                                                                                                        Saved addr of USE list
                                              0856
                                                                                                                                                                                                                                                       Saved addr of USE procedure
                                              0857
                                              0858
                                                                                        ! Ensure that the DBMS_STAT argument is present
                                              0859
                                              0860
                                             0861
0862
0863
0864
0865
                                                                                        IF (IF ACTUALCOUNT() EQL O THEN 1 ELSE .DBMS_STAT EQL O)
                                                                                               THEN
                                                                                                     BEGIN
                                                                                                     LIBSSTOP (OTSS_FATINTERR);
                                                                                                      RETURN 0:
                                             0867
0868
                                                                                                     END:
339
                                             0869
0870
340
341
342
343
                                                                                        Initialize the local storage for the
                                             0871
                                                                                             saved address of the USE procedure
                                             0872
0873
                                                                                             for later use.
344
345
                                             0874
346
                                             0875
                                                                                        SAVE_ADDR_USEPROC = 0;
                                             0876
0877
347
348
                                             0878
0879
349
                                                                                         ! Search for an appropriate USE procedure.
0880
                                                                                       SFP = .FP[SF$L_SAVE_FP];
IF .SFP EQL 0
THEN
                                             0881
                                                                                                                                                                                                                                                  Get saved FP | \If FP equals zero,
                                             0882
                                             0883
                                                                                                                                                                                                                                                    ! then we have
                                             0884
                                                                                                     BEGIN
                                                                                                                                                                                                                                                   !/serious problems
                                                                                                     LIBSSTOP (OTSS_FATINTERR);
                                             0885
                                             0886
                                                                                                      RETURN 0:
                                             0887
                                                                                                      END
 359
                                             0888
                                                                                               ELSE
 360
                                             0889
 361
                                             0890
                                                                                                      DBUSE = .SFP[(OB$A_DB_USE];
                                                                                                                                                                                                                                                  !\Fetch address at offset ! 8 from stack to obtain
 362
363
                                             0891
                                             0892
                                                                                                                                                                                                                                                   !/a ptr to a DB USE list
```

373

75 

**-20** 

0897

0913

0927

0937

0948 10

0949 10

14-Sep-1984 12:10:39

IF .DBUSE NEQ O THEN BEGIN

The following check determines if this is a data base USE list. The COB\$B\_USE\_CODE field should contain the generic code for the class of data base exceptions (equal to COB\$K\_DBUSE\_CODE).

IF .DBUSE[COB\$B\_USE\_CODE] EQL COB\$K\_DBUSE\_CODE

THEN BEGIN DBUSE\_ENT = DBUSE[COB\$A\_DBUSE\_ENT]; ! Point to 1st DB USE entry

Find an applicable USE procedure. A USE procedure is applicable if COB\$L\_USE\_LIT equals the data base exception or if COB\$L\_USE\_LIT equals zero.

DECR I FROM .DBUSE[COB\$B\_DBUSE\_CNT] - 1 TO 0 DO BEGIN IF .DBUSE\_ENT[COB\$L\_USE\_LIT] EQL O OR .DBUSE\_ENT[COB\$L\_USE\_LIT] EQL .DBMS\_STAT[DBMS\_COND\_VAL] THEN BEGIN

! If EOPR (ptr to end of perform range block) not equal to zero, then we know that the USE procedure is local, and we can invoke it immediately. Otherwise, the data base error should be LIB\$SIGNAL ed.

IF .DBUSE\_ENT[COB\$A\_USE\_EOPR] NEQ 0 THEN BEGIN IF .DBUSE\_ENT[COB\$L\_USE\_LIT] EQL 0 THEN BEGIN

> If the looping count equals zero, (meaning there aren't any more USE procedures in the list), then we can invoke this USE procedure.

IF .I EQL O THEN BEGIN COB\$\$INVOKE\_USE (

```
16-Sep-1984 00:01:43
14-Sep-1984 12:10:39
COB$DBEXCEPTION
                                                                                                                                             VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                                                       Page
1-011
                                                                                                                                             [COBRTL.SRC]COBDBEXCE.B32:1
                         0950 10
    .DBUSE_ENT[COB$A_USE_PROC],
                                                                                                                                            ! Addr of USE procedure
                                                                                                0951 10
                         0952 10
0953 10
                         0954 10
0955 10
                                                                                             RETURN SS$_NORMAL:
                         0956 10
0957 9
                                                                                          ELSE
                         0958
                         0959
                         0960
                                                                                          ! At this point, we have found a USE procedure,
                                                                                            but rather than invoking it immediately, we save its address and all other context required to invoke the USE procedure, and keep on searching for an additional match. This is due to the fact that the USE list is arranged in the order of global USE procedures defined in the local program, followed by local USE procedures defined in the local program.
                         0961
                         0962
                         0964
                         0965
                         0966
                         0967
    439
                         0968
                                                                                            procedures defined in the local program. This method of saving the context of the 1st matched
    440
                         0969
                         0970
    441
                                                                                            USE procedure now ensures that if a local USE procedure defined in the local program exists
    442
                         0971
                         0972
0973
                                                                                             that it will be invoked rather than a globally
    444
                                                                                            defined one.
                         0974
    445
    446
                         0975
    447
                         0976 10
                                                                                            SAVE_ADDR_USEPROC = .DBUSE_ENT[COB$A_USE_PROC];
SAVE_ADDR_USELST = .DBUSE;
SAVE_SAVED_AP = .FP[SF$L_SAVE_AP];
SAVE_EOPR = .DBUSE_ENT[COB$A_USE_EOPR];
SAVE_PNC = .DBUSE[COB$A_DBUSE_PNC];
    448
                         0977 10
    449
                         0978 10
    450
                         0979 10
    451
                         0980 10
   452
453
                         0981 10
                         0982
0983
                                                                                             END:
   454
                                                                                      END
                         0984
                                                                                   ELSE
    456
                         0985
    457
                         0986
    458
                         0987
                                                                                     Here we know that there is no 'ON OTHER' clause (meaning that COB$A_USE_LIT is not
    459
                         0988
                         0989
    460
                                                                                      equal to zero), so we can just invoke the
                         0990
    461
                                                                                      found USE procedure.
                         0991
    462
                         0992
    463
                         0993
    464
                                                                                      BEGIN
    465
                         0994
                                                                                      COB$$INVOKE USE (
                                                                                         .DBUSE_ENT[COB$A_USE_PROC],
.DBUSE,
.FP[SF$L_SAVE_AP],
.DBUSE_ENT[COB$A_USE_EOPR],
.DBUSE_COB$A_DBUSE_PNC]);
                         0995
    466
                                                                                                                                             ! Addr of USE procedure
                         0996
                                                                                                                                             ! Addr of USE list
    467
                         0997
    468
    469
                         0998
                                                                                                                                             ! EOPR
    470
                         0999
                                                                                                                                             ! Perform Nest Ctr
                                                                                      RETURN SSS NORMAL;
    471
                         1000
    472
                         1001
                                                                                      END:
    473
                         1002
                                                                                END
    474
                                                                             ELSE
    475
                         1004
                                                                               BEGIN
    476
                         1005
```

! +

(7)

```
16-Sep-1984 00:01:43
14-Sep-1984 12:10:39
COBSDBEXCEPTION
                                                                                                          VAX-11 Bliss-32 V4.0-742
                                                                                                                                                      Page
1-011
                                                                                                           [COBRTL.SRC]COBDBEXCE.B32:1
                                                            At this point, if "SAVE ADDR USEPROC" not equal to zero, then we had previously found
                   1008
                   1009
   480
                                                            a USE procedure which is a globally defined
   481
                   1010
                                                            one in the local program, and saved its context.
   482
483
484
485
486
488
                   1011
                                                            We can now invoke it.
                   1012
                   1014
                                                            IF .SAVE_ADDR_USEPROC NEQ 0
                   1015
                                                               THEN
                   1016
                                                                 COBSSINVOKE USE (
.SAVE ADDR USEPROC,
                                                                                                             Addr of USE procedure
                                                                    .SAVE_ADDR_USELST,
.SAVE_SAVED_AP,
.SAVE_EOPR,
.SAVE_PN()
   489
                   1018
                                                                                                             Addr of USE list
   490
                   1019
                                                                                                             Saved AP
   491
                   1020
                                                                                                             Addr of EOPR
                   1021
1022
1023
   492
                                                                                                             Addr of PNC
                                                               ELSE
   494
                   1024
   496
                                                            Signal the error here indicating that the USE
                                                            procedure is a global one that is in a containing program. Need to get the FP of the containing program and check the defined global USE
                   1026
   498
                   1027
   499
                   1028
   500
                   1029
                                                            procedures of the local program there. If found,
   501
                   1030
                                                            then invoke the USE procedure at that level;
   502
503
                   1031
                                                            otherwise, the error is re-signalled.
                   1032
   504
505
                   1034
                                                                 LIB$SIGNAL (COB$_LSTHNDLDB,1,.DBUSE_ENT[COB$A_USE_PROC]);
   506
                   1035
                                                            RETURN SS$_NORMAL:
   507
                   1036
                                                            END:
   508
                   1037
                                                       END:
   509
                                                   DBUSE_ENT = .DBUSE_ENT + COB$S_DBUSE;
                   1038
                                                                                                           ! Step to next entry
   510
                   1039
                                                                                                          ! End of DECR Loop
   511
                   1040
   512
513
                   1041
                   1042
                                             At this point, we know that there isn't an
   514
                                             applicable USE procedure, so the only recourse
   515
                                              we have is to LIB$STOP. The reason for this is that
                   1044
   516
                   1045
                                             the COBSB_USE_CODE did not match with the code
   517
                                             provided in COB$K_DBUSE_CODE. We also could have
                   1046
                   1047
                                             arrived here if DBUSE was equal to zero, indicating
   518
   519
                   1048
                                             there was no DB USE list to begin with.
   520
521
522
523
523
526
527
528
529
530
                   1049
                   1050
                   1051
                                                  END:
                                                                                                           !\End of code block that
                   1052
                                                                                                             checks for a COB$K_DBUSE_CODE
                   1053
                                                                                                           !/match
                   1054
                                                END:
                                                                                                           !\End of code dealing with
                   1055
                                                                                                           !/a valid ptr to a DB USE list
                                              CALLG (.DBMS_STAT,LIB$STOP);
                   1056
                   1057
                                           END:
                                                                                                           ! Never gets here !\End of global routine
                   1058
                                    RETURN 0
                   1059
   531
                                                                                                           !/COBSDBEXCEPTION
                   1060
                                    END;
```

.TITLE COBSDBEXCEPTION

(7)

			E 2 16-Sep-1984 00:01:43	Page 12 (7)
			.IDENT \1-011\	• • • • • • • • • • • • • • • • • • • •
			.EXTRN LIB\$SIGNAL, LIB\$STOP .EXTRN COB\$\$INVOKE_USE .EXTRN COB\$_LSTHNDEDB, OTS\$_FATINTERR	
			.PSECT _COB\$CODE,NOWRT, SHR, PIC,2	
	57 5E	00000000G 00 10 6C	C 00000 .ENTRY COB\$DBEXCEPTION, Save R2,R3,R4,R5,R6,R7 E 00002 MOVAB LIB\$STOP, R7 2 00009 SUBL2 #16, SP 5 0000C TSTB (AP)	. 0709 . 0862
		04 AC 08	3 0000E BEQL 1\$ 5 00010 TSTL DBMS_STAT 3 00013 BEQL 1\$	
	52	1C AE 0C	4 00015 CLRL SAVE ADDR USEPROC 0 00017 MOVL 28(FP), SFP 2 0001B BNEQ 2\$	0875 0881 0882
	67	00000000 8F	D 0001D 1\$: PUSHL #OTS\$ FATINTERR B 00023 CALLS #1, LTB\$STOP	0885
	52	0099 F8 A2 03	1 00026 BRW 16\$ 0 00029 2\$: MOVL -8(SFP), DBUSE 2 0002D _ BNEQ 4\$	0886 0890 0894
	01	008C	1 0002f 3\$: BRW 15\$ 1 00032 4\$: (MPB (DBUSE), #1	: 0905
	53 55	0C A2 0B A2 7A	2 00035 BNEQ 3\$ E 00037 MOVAB 12(R2), DBUSE_ENT A 0003B MOVZBL 8(DBUSE), I 1 0003F BRB 14\$	0909 0918
		08 A3 04 51	4 00041 5\$: CLRL R1 5 00043	0920
04	50 A0	08 04 AC 08 A3 61	1 0004A BRB 7\$ 0 0004C 6\$: MOVL DBMS_STAT, RO 1 00050 CMPL 8(DBUSE_ENT), 4(RO) 2 00055 BNEQ 13\$	0921
	54	04 A3	0 00057 7 <b>\$</b> : MOVL 4(DBUSE ENT), R4	0933
	1A	J 1	3 0005B BEQL 9\$ 9 0005D BLBC R1, 8\$ 5 00060 TSTL I 3 00062 BEQL 8\$	0952 0946
04	56 6E AE AE AE	55 163 52 18 AE 54 04 A2 3E 04 A2	O 00064 MOVL (DBUSE_ENT), SAVE_ADDR_USEPROC O 00067 MOVL DBUSE, SAVE_ADDR_USELST O 0006A MOVL 24(FP), SAVE_SAVED_AP	0977 0978 0979
08 00	AE	04 A2	0 0006F MOVL R4, SAVE_EOPR 0 00073 MOVL 4(DBUSE), SAVE_PNC	: 0980 : 0981
		04 A2	0 00073 MOVL 4(DBUSE), SAVE_PNC 1 00078 BRB 13\$ D 0007A 8\$: PUSHL 4(DBUSE) D 0007D PUSHL R4	0936 0999 0998
		20 AE 52 63 12	D 0007D PUSHL R4 D 0007F PUSHL 32(FP) D 00082 PUSHL DBUSE	0997 0996
		63	D 00084 PUSHL (DBUSE ENT)	0995
		\$6 17	1 00086 BRB 10\$ 5 00088 9\$: TSTL SAVE_ADDR_USEPROC 3 0008A BEQL 11\$	1014
		OC ÀÉ	D 0008C PUSHL SAVE_PNC	1021

COBSDBEXCEPTION 1-011  00000000G  00000000G  ; Routine Size: 197 bytes, Routine ; 532 1061 1 END 1062 0 ELUDOM	OC AE DD 0008f PUSHL SAVE_EOPR OC AE DD 00092 PUSHL SAVE_SAVED AP OC AE DD 00095 PUSHL SAVE_ADDR_USELST 56 DD 00098 PUSHL SAVE_ADDR_USEPROC OO 05 FB 0009A 10\$: CALLS #5, COB\$\$INVOKE_USE 11 11 000A1 BRB 12\$ 63 DD 000A3 11\$: PUSHL (DBUSE_ENT) O1 DD 000A5 PUSHL #1 00000000G BF DD 000A7 PUSHL #1 00 0000000G BF DD 000B4 12\$: MOVL #1, R0 00 01 D0 000B4 12\$: MOVL #1, R0 01 D0 000B8 13\$: ADDL2 #12, DBUSE_ENT 01 D0 000B8 13\$: ADDL2 #12, DBUSE_ENT	13 (7) 1020 1019 1018 1017 1034 1034 1035 1038 1056 1060
: Name Bytes :COB\$CODE	PSECT SUMMARY  S Attributes  197 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)	
file  \$255\$DUA28:[SYSLIB]STARLET.L32;1	ry Statistics Symbols Pages Processing Total Loaded Percent Mapped Time 9776 3 0 581 00:00.8	
; BLISS/CHECK=(FIELD,INITIAL,OP; ) ; Size: 197 code + 0 data byt	COMMAND QUALIFIERS TIMIZE)/NOTRACE/LIS=LIS\$:COBDBEXCE/OBJ=OBJ\$:COBDBEXCE MSRC\$:COBDBEXCE/UPDATE=(ENH\$:COBDBEXCE es	<u>:</u>

Run Time: 00:06.7 Elapsed Time: 00:30.6 Lines/CPU Min: 9581 Lexemes/CPU-Min: 25181 Memory Used: 115 pages Compilation Complete

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